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# **WATER SUPPLY OUTLOOK** and **FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS** for **WYOMING**

**UNITED STATES DEPARTMENT of AGRICULTURE---SOIL CONSERVATION SERVICE,**  
and  
**STATE ENGINEER of WYOMING**

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

AS OF  
**APR. 1, 1963**

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.



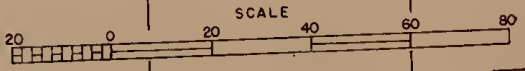


WYOMING SNOW SURVEY COURSES  
AND WATER SUPPLY FORECASTS

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

The April 1, 1963 Runoff Forecasts Are Given In Percentages of Normal.

- LEGEND
- SNOW SURVEY COURSE
  - † SOIL MOISTURE STATION (M)
  - + AERIAL MARKER (A)
  - ⊥ STORAGE PRECIPITATION GAGE (P)
  - TOWN & CITIES
- 1963





# INDEX TO WYOMING SNOW COURSES

# WATER SUPPLY OUTLOOK

FOR

WYOMING

April 1, 1963

\* \* \* \* \*

\* Agricultural and power production, industry, and municipalities \*  
\* are again facing a water shortage. The high elevation snowpack \*  
\* throughout the State is seriously below normal. The April 1, \*  
\* 1963, snow surveys indicate that snow melt runoff, for most of \*  
\* the State, will be inadequate for the ensuing summer season. \*  
\* However, reservoir storage is close to normal for this time of \*  
\* year. During the next month, extremely heavy snow storms will \*  
\* be necessary to bring Wyoming snow storage up to normal. \*  
\* \*  
\* \*  
\* During this coming season when streams without storage will \*  
\* apparently be severely limited, water user's plans should \*  
\* reflect possible changes compatible to the anticipated water \*  
\* supply, particularly on agricultural lands. More profitable \*  
\* operations and more efficient use of water are achieved by \*  
\* using an adequate supply of water on a limited acreage than \*  
\* by spreading a short water supply over all available acreage. \*  
\* Consideration should be given to the following list of crop and \*  
\* water management suggestions. \*  
\* \*  
\* \* \* \* \*





# WATER CONSERVATION PRINCIPLES

Study the local snow surveys and stream flow forecasts. Prepare an irrigation and cropping plan in keeping with the seasonal water supply outlook.

Reduce losses in the system by keeping ditches clean and structures in good repair.

Keep irrigation streams constant as possible by working with your neighbors.

Irrigate with larger heads to reduce losses.

Apply only enough water to fill the root zone of the crop being irrigated.

Determine irrigation needs and depth penetration with shovel or soil auger.

Consider early maturing crops that require low water demands.

Perennial hay crops should be allotted a reasonable amount of water early in the season to produce a good first cutting.

New plantings of perennial crops, including pasture, should be delayed until a more favorable water season.

Priority in the use of water should be assigned to the best land, considering those lands which are most efficiently irrigated.

In line with the available water supply, the decision must be made by the farmer as to the proportion of acreage he will place in high water using and more profitable crops and the acreage that he will balance off with low water using crops, or fallow.

Remember past years! The incidence and intensity of summer precipitation will seldom overcome inadequate water supplies.

CONTACT YOUR WORK UNIT CONSERVATIONIST

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State Conservationist  
Soil Conservation Service

Earl Lloyd  
State Engineer of Wyoming  
Cheyenne, Wyoming



## WYOMING STREAM-FLOW FORECASTS APRIL 1, 1963

BASIN AND TRIBUTARY	April 1 - September 30			
	Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast Runoff	% 15-Year Average	Measured Runoff	
			1961	15-Yr. Avg. 1943-57
MADISON RIVER West Yellowstone (at)	164	76%	168	216
YELLOWSTONE RIVER Corwin (at)	1520	77%	1356	1980
LITTLE POPO AGEE Lander (near)	30.6	74%	25	41.4
NORTH POPO AGIE Milford (near)	58	78%	57	74*
BULL LAKE CREEK Lenore (near)	151	84%	134	180*
WIND RIVER DuBois (near)	75	75%	60	100*
SHELL CREEK Shell (near)	54	84%	47	64
TENSLEEP CREEK Tensleep (near)	64	80%	51	80
MEDICINE LODGE CREEK Hyattville (near)	14.9	77%	13.3	19.3
SHOSHONE RIVER Buffalo Bill Dam (below) (1)	630	71%	459	851
CLARK'S FORK Chance, Mont. (at)	449	73%	442	617
LARAMIE RIVER Jelm (at) (2)	75	67%	98	113
ENCAMPMENT RIVER Encampment (near)	102	65%	77	156
MEDICINE BOW RIVER Hanna (near)	64	65%	46	99
NORTH PLATTE RIVER Northgate (at)	122	48%	200	255
Saratoga (at)	360	54%	404	661

All stream data taken from observed flow records with the following exceptions:

- (1) Observed flow corrected for Buffalo Bill storage, and Heart Mtn. diversion.
- (2) Observed flow corrected for Colorado diversion above station.





## WYOMING STREAM-FLOW FORECASTS APRIL 1., 1963

BASIN AND TRIBUTARY	April 1 - September 30			
	Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast	% 15-Year	Measured Runoff	
	Runoff	Average	1961	15-Yr. Avg. 1943-57
NORTH PINEY CREEK Mason (at)	20.9	51%	20	41
NEW FORK RIVER Boulder (near)	120	16%	91	261
GREEN RIVER Warren Bridge (at)	220	63%	220	348
Fontenelle (near)	425	43%	399	983*
Green River (at)	516	43%	393	1200
BIG SANDY CREEK Big Sandy (near)	41	70%	29	59
LITTLE SANDY CREEK Elkhorn (near)	10.5	70%	8	15
SNAKE RIVER Moran (at) (3)	530	57%	669	928
SNAKE RIVER Palisades (above) (3)	1640	59%	1930	2758*
LITTLE SNAKE Lilly, Colo. (at)	200	57%		335
BUFFALO FORK Moran (near)	No Report			337*
GREY'S RIVER Palisades reservoir (above)	220	58%	227	403*
SALT RIVER Etna (above reservoir)	195	59%	164	360
BEAR RIVER Utah-Wyo. State Line (near)	63	51%	66	123
Randolph (near)	No Report		5	115*
Harer (at)	No Report			299
SMITH'S FORK Border (near)	71	64%	49	119
HENRY'S FORK Linwood (at)	No Report		16	40
BLACK'S FORK Green River (near)	50	24%	16	210*

(3) Observed flow corrected for Jackson Lake storage.

\* Less than 15 years of record.





# STATUS OF WYOMING RESERVOIR DATA

April 1, 1963

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE - 1000's ACRE FEET			
			1963	1962	1961	1943-57 15-Yr. Avg.
Snake River	Jackson	847.0	599.3	165.8	133.9	465.5
Snake River	Palisades	1202.0	1074.4	681.3	640.0	661.3#
Snake River	Grassy Lake	15.2	11.9	8.9	7.0	13.2
North Platte	Seminole	981.8	332.2	106.0	63.3	428.4
North Platte	Pathfinder	1011.0	504.2	243.8	251.7	631.4
North Platte	Guernsey	39.8	32.5	19.3	19.2	28.5
North Platte	Alcova**	30.3	0.56	17.0	12.3	
North Platte	Glendo	786.3	398.0	367.9	278.4	277.0#
Laramie River	Wheatland	95.0	60.0	73.3	15.5	
Belle Fourche	Keyhole	190.3	67.0	9.5	2.7	8.7#
Shoshone River	Buffalo Bill***	380.3	152.4	127.9	135.2	220.6
Wind River	Boysen	560.0	333.1	137.9	106.3	426.7*
Wind River	Pilot Butte	31.6	25.5	23.7	24.7	18.2
Wind River	Bull Lake	152.0	91.3	78.0	58.3	60.1
Green River	Big Sandy	38.3	11.0	7.7	5.5	7.3#
Greybull River	Sunshine	53.0	N.R.	28.6	7.5	
Owl Creek	Anchor	16.5	0.2			

\* Average is for less than 15 years of record in the 1943-57 period.

\*\* Alcova downstream from Seminole and Pathfinder includes 160,170 acre feet of storage that is unavailable to the Kendrick Project. In the future, storage in this reservoir will be held at usable capacity (190,500 acre feet.)

\*\*\* Usable capacity 439,800 acre feet, however, 59,500 acre feet are inactive except in emergency.

e Estimated average.

# All past data.



# STATUS OF NEBRASKA AND SOUTH DAKOTA RESERVOIR DATA

April 1, 1963

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE - 1000's ACRE FEET			
			1963	1962	1961	1943-57 15-Yr. avg.
Kansas Basin	Bonny	39.9	42.0	37.4	37.4	36.8*
Kansas Basin	Swanson Lake	116.1	116.3	120.6	105.7	89.2*
Kansas Basin	Enders	36.0	33.7	43.0	45.0	41.8*
Kansas Basin	Harry Strunk	33.9	34.1	39.2	37.2	36.2*
Kansas Basin	Harlan County	348.8	354.0	350.2	356.7	254.2*
Kansas Basin	Cedar Bluff	176.8	174.3	185.6	70.1	58.2*
Kansas Basin	Lovewell	37.3	25.6	41.8	29.5	34.7*
Kansas Basin	Kirwin	88.8	89.9	94.0	84.3	54.4*
Kansas Basin	Webster	64.9	61.9	70.6	70.1	58.2*
Kansas Basin	Kanopolis	48.1	53.0	39.5	44.2	

## SOUTH DAKOTA

Belle Fourche	Belle Fourche	185.2	174.8	58.2	37.6	116.9
Cheyenne River	Angostura	92.0	89.9	18.2	6.5	42.1*
Cheyenne River	Deerfield	15.1	8.1	4.1	2.8	11.3*
Grand River	Shadehill	84.0	54.5	35.0	51.3	78.4*
Rapid Creek	Pactola	55.0	29.1	3.9	16.4	15.4*

c. Located in Colorado

k. Located in Kansas

\* Average all past data.





WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1963			PAST RECORD		
			Date	Snow	Water	Water Content (In.)		
			of Survey	Depth (In.)	Content (In.)	1962	1961	1943-57 Average
<u>MADISON RIVER - YELLOWSTONE PARK</u>								
Norris Basin ÷	10E2	7500	3/28	33	8.0	12.4	8.7	10.3e
21 Mile <sup>m</sup>	11E6	7150	3/27	32	9.2	17.8	14.8	19.2
West Yellowstone <sup>m</sup>	11E7	6700	3/27	20	6.3	11.0	9.3	12.7
<u>UPPER YELLOWSTONE - YELLOWSTONE PARK</u>								
Canyon	10E3	7750	3/31	41	12.3	19.4	13.3	16.0
Northeast Entrance <sup>m</sup>	10D7MP	7400	3/30	27	7.4	9.3	7.5	9.0
Crevice Mountain <sup>m</sup>	10D5	8400	4/1	30	8.2	12.1	5.6	10.5
East Entrance ÷	9E5MP	7000	3/30	27	6.4	9.7	6.8	11.9e
Lake Camp #1	10E4M	7850	3/31	24	5.3	14.4	8.6	12.1e
Lake Camp #2	10E4M	7850	3/31	20	4.6	13.4	7.9	10.8e
Lupine Creek	10E1	7300	3/29	26	4.4	12.6	8.9	11.6e
Norris Basin ÷	10E2	7500	3/28	33	8.0	12.4	8.7	10.3e
Sylvan Pass ÷	10E5	7100	3/30	39	10.5	10.9	11.2	15.9
Thumb Divide ÷	10E7	7900	3/27	44	12.9	29.0	16.1	25.4e
<u>LOWER YELLOWSTONE - CLARK'S FORK</u>								
Lodgepole	9E1	8200	4/1	34	9.4	11.1	7.4	13.1e
<u>LOWER YELLOWSTONE - WIND RIVER</u>								
Big Warm	9F12	8800	3/27	29	8.0	12.0	5.8	10.1e
Burroughs Creek	9F4	8800	3/29	37	12.3	15.6	8.8	16.9e
Dinwoodie	9F10	10000	3/30	38	10.0	13.5	8.6	13.2e
Dinwoodie Glaciers	9F17A	10500	No Report			16.0A	8.5A	
Dry Creek	9F9	9500	3/30	26	6.5	8.4	5.5	7.1e
DuNoir	9F6	8750	3/27	27	8.4	11.3	3.4	10.1
Geyser Creek	9F7	8500	3/28	24	7.4	9.1	4.0	9.4e
Little Warm	9F8	9500	3/28	46	14.2	21.5	12.5	18.3e
Sheridan R.S. #2	9F14	7500	3/27	23	7.5	8.4	3.9	9.4e
T-Cross Ranch	9F3	8000	3/29	17	5.6	6.8	4.0	8.1
Togwotee Pass ÷	10F9MP	9600	3/28	69	24.4	33.4	24.0	32.1
Twenty Lakes ÷	9F7A	10500	No Report			12.5A	10.0A	
<u>LOWER YELLOWSTONE - OWL CREEK</u>								
Kirwin ÷	9F19A	10000	No Report			13.0	5.5A	
Owl Creek	8F1	8700	3/29	23	5.7	7.9	7.6	7.3e





WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1963			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
						1962	1961	1943-57 Average
<u>LOWER YELLOWSTONE - POPO AGIE RIVER</u>								
Blue Ridge	8G2	9500	3/23	39	12.0	13.9	7.9	13.7
Bruce's Camp	8G5	6500	3/24	11	4.1	2.2	4.4	5.5e
Hobbs Park	9G3	10000	4/1	45	12.9	20.5	15.1	20.1e
Mosquito Park R.S.	9G4	9500	4/1	26	7.7	9.2	6.8	9.1e
Sawmill Glade	8G1	8500	3/23	32	9.1	10.2	7.1	8.6
South Pass ‡	8G3MP	9000	3/23	42	14.0	16.9	8.7	16.4
St. Lawrence R.S.	9F11	9000	3/31	24	6.5	9.7	5.6	7.8e
Trout Creek	9G2	8400	4/1	15	5.3	7.5	7.6	6.7e
Twenty Lakes ‡	9G7A	10500				12.5A	10.0A	
<u>LOWER YELLOWSTONE - GREYBULL RIVER</u>								
Frontier Needle	9E6	10000	No Report			10.8	5.5A	
Kirwin ‡	9F19A	11000	No Report			13.0	5.5A	
Timber Creek #2	9E3	8800	3/27	13	4.1	5.6	3.7	3.7a
Wood River #2	9F15	8000	3/28	20	5.0	8.5	6.6	5.8a
<u>LOWER YELLOWSTONE - SHOSHONE RIVER</u>								
Carter Mountain	9E4M	7800	3/26	16	3.9	8.2	5.3	
East Entrance ‡	9E5MP	7000	3/30	27	6.4	9.7	6.8	11.9e
Sylvan Pass ‡	10E5	9200	3/30	39	10.5	10.9	11.2	15.9
Togwotee Pass ‡	10F9MP	9600	3/28	69	24.4	33.4	24.0	32.1
Yount's Peak	9F18A	8500	No Report			15.0A	10.9A	
<u>LOWER YELLOWSTONE - NOWOOD CREEK</u>								
Bear Trap ‡	7F1A	8000	3/27	26	8.6	11.8	6.8	
Canyon Creek ‡	7F2	7400	3/26	42	11.7	14.0	12.3	
Cold Springs Camp	7E25	8700	3/30	24	6.9	7.0	6.5	
Medicine Lodge Lakes	7E24M	9500	3/30	37	10.4	11.8	10.4	
Munkres Pass ‡	7E8	9700	4/2	27	7.1	13.5	7.5	9.3e
Onion Gulch ‡	7E27M	8100	4/2	29	8.3	13.5	7.2	
Tyrell R.S.	7E35	8300	4/1	30	8.3	10.2	8.1	7.5e
West Tensleep Lake	7E26A	9075	4/1	37	11.0	15.3	9.9	



WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1963			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
						1962	1961	1943-57 Average
<u>LOWER YELLOWSTONE - SHELL CREEK</u>								
Bald Mountain ‡	7E21M	9600	3/25	72	24.1	24.7	18.8	20.5a
Beaver Tongue ‡	7E20	9200	3/25	62	19.8	22.1	16.8	18.9a
Bone Spring Divide ‡	7E18A	9200	3/27	50	15.6	20.7	13.4	16.8a
Granite Pass ‡	7E17P	8950	3/27	48	15.1	19.0	12.2	17.6a
Ranger Creek	7E4	8800	3/31	34	9.4	10.9	7.8	9.1e
Shell Creek	7E23A	9600	3/31	47	13.4	17.2	11.9	14.7a
<u>LOWER YELLOWSTONE - PORCUPINE CREEK</u>								
Five Springs Falls	7E31	7500	3/28	27	8.0	6.0	5.4	5.7a
Medicine Wheel	7E30	9000	3/26	59	20.0	16.1	14.3	15.8a
<u>LOWER YELLOWSTONE - TONGUE RIVER</u>								
Beaver Tongue ‡	7E20	9200	3/25	62	19.8	22.1	16.8	18.9a
Big Goose #2	7E32M	7700	3/30	26	7.3	10.8	7.6	8.1a
Bone Spring Divide ‡	7E18A	9200	3/27	50	15.6	20.7	13.4	16.8a
Burgess R.S. #2	7E33P	7900	3/26	31	9.1	7.9	6.4	7.6a
Dome Lake #2	7E34A	8800	3/31	36	10.5	13.5	9.1	10.2a
Geneva Pass	7E37A	10600	3/30	48	15.0A	22.5A	12.0A	
Gloom Creek	7E14A	9300	3/28	45	13.3	16.3	12.2	13.5a
Granite Pass ‡	7E17P	8950	3/27	48	15.1	19.0	12.2	17.6a
North Tongue	7E15	8800	3/26	41	12.9	13.9	9.5	
Sibley Lake	7E11	8000	3/29	40	11.9	11.0	9.3	9.9a
Steamboat Point	7E10	7500	3/29	31	9.1	9.3	7.3	7.9a
Sucker Creek	7E12A	9000	3/28	44	14.1	14.1	11.2	12.2a
Wood Rock G.S.	7E13	8500	3/27	37	10.7	13.0	8.5	10.8a
<u>LOWER YELLOWSTONE - POWDER RIVER</u>								
Bear Trap ‡	7F1A	8000	3/27	26	8.6	11.8	6.8	
Canyon Creek ‡	7F2	7400	3/26	42	11.7	14.0	12.3	
Cloud's Peak	7E36A	10000	3/30	33	10.0A	19.0A	12.0A	
Muddy Creek G.S.	6E2	7500	4/1	12	2.8	5.2	4.4	4.3a
Munkres Pass ‡	7E8	9700	4/2	27	7.1	13.5	7.5	9.3e
Onion Gulch ‡	7E27M	8100	4/2	29	8.3	13.5	7.2	9.3a
Soldier Park	7E5	8700	4/1	19	4.5	7.4	5.4	5.5e
Sour Dough	6E1	8500	4/2	20	5.4	10.0	6.8	7.3





WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			Date of Survey	Snow Depth (In.)	Water Content (In.)	PAST RECORD		
						Water Content (In.)		
						1962	1961	1943-57 Average
<u>NORTH PLATTE - LARAMIE RIVER</u>								
Albany ÷	6H11A	9400	4/2	35	12.3	16.8	11.2	15.5e
Brooklyn Lake #2	6H13	10200	3/25	51	17.3	26.1	19.5	23.0e
Cameron Pass <sup>C</sup> ÷	5J1	10300	3/27	54	20.1	38.9	22.3	24.9
Chambers Lake <sup>C</sup>	5J2	9000	3/30	22	7.9	10.1	6.7	8.8
Deadman Hill <sup>C</sup>	5J6	10300	4/1	39	13.0	17.2	15.4	16.8
Evans ÷	6H15	9000	3/28	31	10.3	15.8	7.8	
Foxpark ÷	6H12	9200	No	Report		10.8	4.8	7.4
Hairpin Turn #2	6H2	9500	3/25	33	10.4	13.0	10.1	12.9
Hairpin Turn #3	6H2	9500	3/25	40	13.3	17.5	12.7	
LaBonte ÷	5G2	8450	No	Report		4.5	6.3	6.6e
Libby Lodge	6H3	8700	3/25	33	10.7	11.3	9.1	11.5
Lost Lake <sup>C</sup>	5J23	9300	3/30	30	10.5	13.1	8.5	11.8e
McIntyre <sup>C</sup>	5J15	9100	3/28	31	7.1	15.8	8.8	11.4e
Pole Mountain #2 ÷	5H1	8700	3/26	14	3.8	5.1	5.8	5.6e
Roach <sup>C</sup> ÷	6J12	9800	3/27	48	11.8	26.0	N.R.	20.0
Rock Creek ÷	6H14A	9800	3/27	65	22.1	35.5	21.0A	
<u>NORTH PLATTE - ABOVE SEMINOLE RESERVOIR</u>								
Albany ÷	6H11A	9400	4/2	35	12.3	16.8	11.2	15.5e
Bottle Creek	6H8	8200	3/29	33	11.9	16.6	9.3	15.4
Boxelder #2 ÷	5G1	9000	3/26	22	7.0	8.4	7.0	
Cameron Pass <sup>C</sup> ÷	5J1	10300	3/27	54	20.1	38.9	22.3	24.9
Casper Mountain ÷	6G1MP	8700	3/28	12	11.3	18.5	15.3	
Columbine <sup>C</sup>	6J3	9300	3/28	59	22.1	30.0	17.2	24.7
Evans ÷	6H15	9000	3/28	31	10.3	15.8	7.8	
Foxpark ÷	6H12P	9200	No	Report		10.8	4.8	7.4
LaBonte ÷	5G2	8450	No	Report		4.5	6.3	6.6e
North Barrett Creek	6H5AM	9400	3/28	41	12.1	25.1	16.5	20.0
North French Creek	6H4AP	10200	3/28	64	22.8	37.0	24.8	30.5
Northgate <sup>C</sup>	6J7	8500	3/28	13	4.4	8.9	4.4	6.2e
Old Battle ÷	6H10P	9800	3/29	69	23.6	35.4	23.7	33.3
Park View <sup>C</sup>	6J2	9200	3/27	24	7.2	13.4	7.8	9.7
Roach <sup>C</sup> ÷	6J12	9800	3/27	48	11.8	26.0	N.R.	20.0
Rock Creek ÷	6H14A	9800	3/27	65	22.1	35.5A	21.0A	
Ryan Park	6H6A	8400	3/28	20	5.0	14.9	10.2	11.6
Webber Spring	6H9M	9000	3/29	42	14.7	20.1	11.9	20.0
Willow Creek Pass <sup>C</sup>	6J5	9500	3/27	31	9.8	18.0	9.8	13.6



WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			Date of Survey	1963		PAST RECORD		
				Snow Depth (In.)	Water Content (In.)	Water Content (In.)		1943-57 Average
						1962	1961	
<u>NORTH PLATTE - CROW CREEK</u>								
Pole Mountain #2 †	5H1	8700	3/26	14	3.8	5.1	5.8	5.6e
<u>NORTH PLATTE - SWEETWATER</u>								
Grannier Meadows	8G41	9000	3/23	42	13.9	16.4	8.4	16.1
Larsen Creek	9G6A	9000	3/28	28	7.6	15.2	8.9	11.6e
South Pass †	8G3MP	9000	3/23	42	14.0	16.9	8.7	16.4
<u>NORTH LARAMIE MOUNTAINS</u>								
Boxelder #2 †	5G1	9000	3/26	22	7.0	8.4	7.0	
Casper Mountain †	6G1MP	8700	3/28	42	11.3	18.5	15.3	13.7a
LaBonte †	5G2	8450	No Report			4.5	6.3	6.6e
<u>GREEN RIVER - ABOVE GREEN RIVER</u>								
Big Sandy Opening	9G9P	9220	3/29	34	9.5	15.2	11.0	
Blind Bull Summit †	10G2A	8750	3/29	57	20.5A	34.0A	21.0A	33.4e
Dutch Joe R.S.	9G5	8700	3/29	17	5.7	12.7	7.8	8.9e
East Rim Divide †	10F17MP	7950	3/29	26	6.7	14.4	6.6	12.4
Elk Heart Park	9F23P	9400	3/31	35	11.6	19.6	10.7	
Gros Ventre †	10F19A	8750	4/1	30	9.2	17.2	9.8	13.7e
Kendall R.S. #1	10F15	7900	4/1	21	8.1	14.3	7.3	11.9
Kendall R.S. #2	10F15	7900	4/1	26	9.9	17.0	8.7	
Loomis Park #1 †	10F16	8500	3/31	41	14.4	22.2	10.8	19.4
Loomis Park #2 †	10F16	8500	3/31	44	14.8	23.6	11.4	
Mulligan Park	9G1	8900	3/31	22	7.6	14.4	7.7	11.5
New Fork Lake	9F21	8325	3/31	29	9.1	15.0	9.2	
North Horse Creek	10G16	8200	3/30	45	15.2	26.3	15.1	
Piney LaBarge #1	10G10	8820	3/29	46	16.1	26.3	11.6	20.5
Piney LaBarge #2	10G10	8820	3/29	55	19.8	30.9	14.8	
Pocket Creek	9G11	9360	3/29	25	7.6	17.8	9.9	
Poison Meadows †	10G6A	8500	3/29	73	25.7	39.6	21.4	30.9e
Snyder Basin #2	10G13MP	8040	3/29	41	13.6	20.8	8.4	16.4
Soda Lake	10G14	8300	3/30	42	14.0	20.6	12.9	20.6e
South Pass †	8G3MP	9000	3/23	42	14.0	16.9	8.7	16.4
Triple Peaks	10G15	8500	3/30	55	19.8	31.4	19.3	32.0e



WYOMING SNOW SURVEYS - ABOUT APRIL 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1963			PAST RECORD		
			Date	Snow	Water	Water Content (In.)		
			of	Depth	Content	1943-57		
			Survey	(In.)	(In.)	1962	1961	Average
<u>GREEN RIVER - BELOW GREEN RIVER</u>								
Big Park	10G11	8700	3/28	44	15.4	26.7	14.1	21.1a
Black's Fork Jct,	10J22	8925	3/20	28	7.2	11.1	7.4	
Buck Pasture	10J23A	9700	3/25	39	10.5A	N.R.		
East Fork Black's FK.	10J21	9300	3/20	29	7.6	12.1	6.4	
Elk River	6J4	8700	3/29	37	11.5	21.3	12.8	18.2
Henry's Fork	10J24A	10200	3/25	36	9.7A	N.R.		
Hewinta R.S.	10J4	9500	3/21	32	8.9	10.8	7.6	10.5
Hickerson Park	9J8	9100	3/27	13	3.8	10.6	6.4	
Hole-in-the-rock	10J1	9150	3/26	18	3.8	8.1	6.9	6.5
Hole-in-the-rock G.S.	10J3	8300	3/25	6	1.8	4.2	2.8	1.8
Kelly R.S.	10G12	8200	3/28	33	12.7	24.7	11.4	18.1
Lake Fork Basin	10J25A	11100	No Report			N.R.		
Middle Beaver Creek	10J2	8550	3/26	12	3.0	7.3	6.1	5.7
Old Battle	6H10P	9800	3/29	69	23.6	35.4	23.7	33.4
Spirit Lake	9J7	10300	3/27	23	5.6	20.2	14.0	
Steel Creek Park	10J20A	9900	3/20	36	9.3	14.4		
<u>JACKSON LAKE TO PALISADES</u>								
Afton R.S.	10G4	6200	3/28	Trace		0.0	0.0	1.8e
Base Camp	10F2	6900	3/28	37	12.4	20.5	12.3	19.9e
Blackrock	10F7	8600	3/28	52	17.3	25.0	17.1	24.3
Blind Bull Summit	10G2A	8750	3/29	57	20.5A	34.0A	21.0A	33.4e
Bryan Flat	10F14	6250	3/29	5	1.6	13.3	5.9	11.2
CCC Camp	10G7	7500	3/29	27	8.5	11.5	6.9	12.3
Cottonwood Lake	10G5A	7500	3/30	34	10.5A	21.5A	14.5A	16.9
Deadman Ranch	10G1A	6534	3/29	6	2.0A	13.2A	8.5A	11.2
East Rim Divide	10F17MP	7950	3/29	26	6.7	14.4	6.6	12.4
Four Mile Meadows	10F6	7770	3/28	35	10.5	15.9	11.4	14.3
Greys Boundary	10F18	5800	3/28	Trace		13.2	7.5	11.9
Gros Ventre	10F19	8750	3/27	34	9.2A	17.2	9.8	13.7e
Grover Park Divide	10G3	7500	3/28	25	8.1	15.0	7.5	11.9
Loomis Park #1	10F16	8500	3/31	41	14.4	22.1	10.8	19.4
Loomis Park #2	10F16	8500	3/29	44	14.8	23.6	11.4	
Poison Meadows	10G6	8500	3/29	73	25.7	39.6	21.4	30.9e
Salt River Summit	10G8MP	7900	3/29	38	11.8	19.4	10.0	16.1e
Snow King Mtn. #3	10F20M	7600	3/30	33	8.9	19.2	10.9	
Teton Pass #2	10F13	8500	4/2	72	23.9	42.1	25.7	38.7
Togwotee Pass	10F9MP	9600	3/28	69	24.4	33.4	24.0	32.1
Turpin Meadows	10F5	6930	3/28	22	6.4	12.1	8.4	11.6
Yellowjacket	10F10	7675	No Report			N.R.	3.8	6.4



